

13           the embedded processor further being programmable to send the  
14        manageability information to the media access controller for  
15        transmission over the computer network;  
16           whereby the chip performs network management functions  
17        independent of the host processor.

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1           23. (Amended) A system comprising:  
2        a computer network;  
3        a network device including a host processor and a chip, the chip  
4        including  
5           a media access controller coupled to the computer network,  
6        and  
7           an embedded processor coupled to the media access  
8        controller and programmed to function as an HTTP manageability web  
9        server; and  
10          a network manager coupled to the computer network, the network  
11        manager including a web browser and a plurality of HTML files for  
12        instructing the network manager to communicate with the embedded  
13        processor in the network device and perform network management of the  
14        network device;  
15           whereby the embedded processor can communicate with the  
16        network manager independent of the host processor.

1           31. (Amended) A method of managing a network device including  
2        a host processor, an I<sup>2</sup>C bus, and an I<sup>2</sup>C-compliant device coupled to the  
3        I<sup>2</sup>C bus, the method comprising the steps of:

*A3*

4           using [the] a media access [control] controller to receive network  
5        manageability information requests from [the] a computer network, the  
6        media access controller communicating with the computer network  
7        independent of the host processor and the I<sup>2</sup>C-compliant device;  
8            in response to received requests about the I<sup>2</sup>C -compliant device,  
9        using the I<sup>2</sup>C bus to obtain network manageability information about the  
10      I<sup>2</sup>C-compliant device connected to the I<sup>2</sup>C bus; and  
11            using the media access controller to place the manageability  
12      information on the computer network.

1           33. (Amended) The method of claim 31, further comprising the step  
2        of using the media access controller to receive control requests on the  
3        computer network; and using the I<sup>2</sup>C bus to control the I<sup>2</sup>C-compliant  
4        device in response to the control requests.